# Jig Knob Hint

***by Cam in Saskatoon***

Instead of buying plastic knobs for jigs, I found a way to make my own from hardwood and some T-nuts (available at HD and other hardware places). Here are the instructions for making a knob about 2 inches in diameter. A chart below is provided for other diameters.

1. Get out your high school compass and draw a circle on a piece of 3/4" hardwood--make sure that your hardwood is say 5 inches square or a little less. The radius of the circle should be about 1 3/8".
2. Using the same center point, reduce the radius by 1/4" and draw another circle inside the first one.
3. Using a straight edge, divide your square piece of hardwood into 8 equal pieces (midpoint of all sides and diagonals, just like slicing an apple pie)
4. Where your pie slice lines intersect the OUTSIDE circle, use your drill press to drill a 3/4" hole. You now should have 8 holes.
5. Use your bandsaw to cut between the holes using the INSIDE circle.
6. Drill a shallow hole in the center of your knob to fit the outside diameter of T-nuts that you bought. Then drill a through hole in the center of your knob to fit the inside of the T-nuts.
7. Using a C clamp, press the T-nut into the recess you have created. If you have chosen your hardware well, it won't split. (Don't ask how I know this.) You might have better luck if you press the T-nut in before you use the bandsaw, but I haven't tried this to confirm.
8. You can use a 1/8" roundover bit or for more safety, just sandpaper to round over all the outside edges.
9. There you go--almost instant knob for the price of a T-nut (20 cents) and some scrap from the woodbox.

If you want smaller knobs, try these dimensions.

## Other Knob Sizes

| Knob Size | Outside Circle Radius | Inside Circle Radius | Number of Holes | Drill Bit Size |
|---|---|---|---|---|
| 2" | 1 3/8" | 1 1/8" | 8 | 3/4" |
| 1" | 1 1/8" | 1 1/8" | 6 | 3/4" |
| 3/4" | 1" | 3/4" | 4 | 1" |